



16-way Single L-band Passive Splitter/Combiner

Typical applications:

- Satellite operators, VSAT teleports & broadcasters.
- Compact form factor provides a space saving solution.



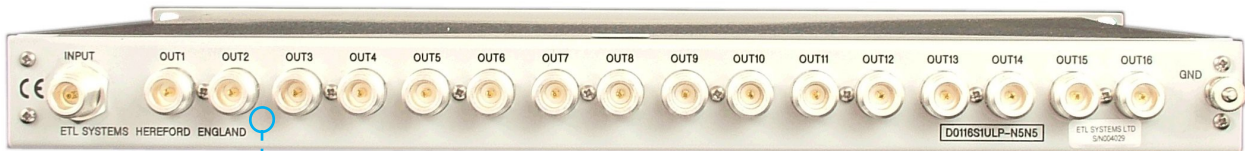
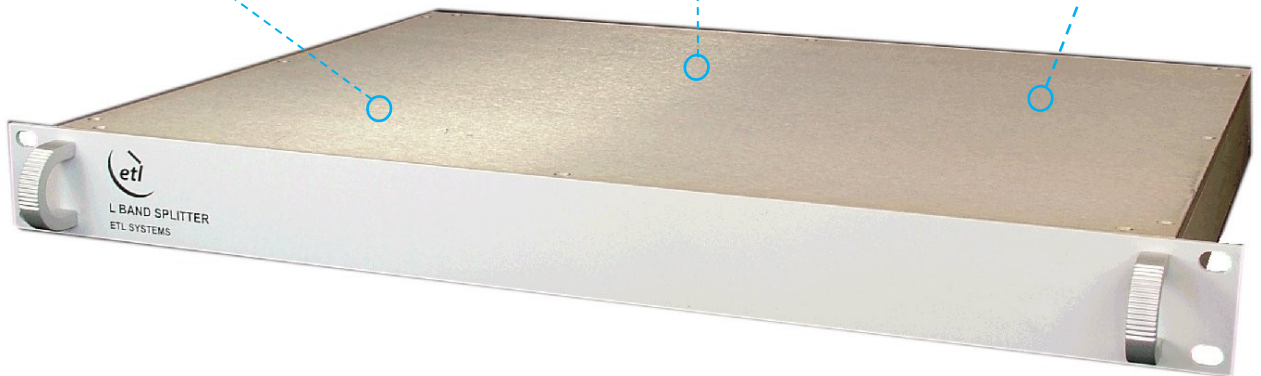
Passive splitter/combiner with no active components



850 - 2150 MHz operating frequency range.



DC Pass on all ports



Compact 16 way splitter/combiner housed in a 1U high chassis





Technical specifications and operating parameters

RF Parameters						
Capacity	16-way Splitter					
Frequency Range	850-2150 MHz (L-band)					
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Insertion Loss	15.5 ± 0.5 dB	15.5 ± 0.5 dB	15.5 ± 0.5 dB	15.5 ± 1.0 dB	15.5 ± 1.0 dB	
Gain Flatness	Full Band	± 1.3 dB	± 1.4 dB	± 1.5 dB	± 1.8 dB	± 2.0 dB
	Any 36 MHz	± 0.25 dB	± 0.25 dB	± 0.5 dB	± 0.75 dB	± 1.0 dB
Input Return Loss	Typical	15 dB	15 dB	15 dB	14 dB	14 dB
	Minimum	10 dB	10 dB	10 dB	9 dB	9 dB
Output Return Loss	Typical	18 dB	18 dB	18 dB	14 dB	14 dB
	Minimum	12 dB	12 dB	12 dB	9 dB	9 dB
Phase misalignment	Typically <3		Max 10	Degrees		
Amplitude misalignment	Typically <0.2		Max 0.4	dB, mean across band		
DC Pass	All Ports		Max 18V & 500mA			
Isolation	23 dB		Maximum, between any two output ports.			
Input RF Power	43 dBm (20W)		Absolute maximum			

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing

Power	
AC Power	None
LNB Power	None
PSU	None
Hot-swap PSU	N/A

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	5 kg
Colour	White 00-E-55 semi-gloss

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

